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09647940 092700



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup> :</b> A01N 63/00, A61K 39/395, C12N 15/00, A01N 61/00, C07H 21/02		<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 99/49735</b> <b>(43) International Publication Date:</b> 7 October 1999 (07.10.99)
<b>(21) International Application Number:</b> PCT/US99/06644 <b>(22) International Filing Date:</b> 26 March 1999 (26.03.99) <b>(30) Priority Data:</b> 60/079,759 27 March 1998 (27.03.98) US 60/095,153 3 August 1998 (03.08.98) US  <b>(71) Applicant (for all designated States except US):</b> FOX CHASE CANCER CENTER [US/US]; 7701 Burholme Avenue, Philadelphia, PA 19111 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> KRUH, Gary [US/US]; 241 South 6th Street #809, Philadelphia, PA 19106 (US). LEE, Kun [KR/US]; 21 Barrington Drive, Cranbury, NJ 08512 (US). BELINSKY, Martin [US/US]; 625 Parmentier Road, Warminster, PA 18974 (US). BAIN, Lisa [US/US]; 284 Penny Lane, Townville, SC 29689 (US).  <b>(74) Agents:</b> RIGAUT, Kathleen, D. et al.; Dann, Dorfman, Herrell and Skillman, Suite 720, 1601 Market Street, Philadelphia, PA 19103 (US).		<b>(81) Designated States:</b> AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>	
<b>(54) Title:</b> MPR-RELATED ABC TRANSPORTER ENCODING NUCLEIC ACIDS AND METHODS OF USE THEREOF			
<b>(57) Abstract</b>  Novel human MOAT genes and their encoded proteins are provided herein. The MRP-related ABC transporters encoded by the disclosed nucleic acid sequences play a pivotal role in the efflux of pharmacologically beneficial reagents from tumor cells. MOAT genes and their encoded proteins provide valuable therapeutic targets for the design of anti-cancer agents which inhibit the aberrant growth of malignant cells.			